

SHIP 2DAY

Work Order ID 52035

September 14, 2009 10:40:59 AM



Page 1

Item ID: DSI 9379-011

Accept



Setup Start



Revision ID: B

Stop



Item Name: Cargo Mirror Upgrade

Start Date: 09/14/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/14/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: mf Date: 09-09-14 Tooling:

Date:

Run Start



QC: Date: SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

DSI 9379

Rev B

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy DSI 9379 and create labels per PPP DSI 9379-011 CHG001

S 09/09/14

110

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

=> S 09/09/14

ⓧ /

120

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI 9379-011

Rev A

9/9/14 ⓧ S

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 52035

September 14, 2009 10:40:59 AM



Page 2

Item ID: DSI 9379-011

Accept



Setup Start



Revision ID: B

Stop



Item Name: Cargo Mirror Upgrade

Start Date: 09/14/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 09/14/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start



QC: Date: SPC (Y/N): Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/09/14

09-14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 14, 2009 10:40:59 AM

Page 1

4

Work Order ID: 52035

Parent Item: DSI 9379-011RevB

Parent Item Name: Cargo Mirror Upgrade



Start Date: 09/14/2009

Required Date: 09/14/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3-4A		Purchased	No			110	Each	2,210.000	3.0000			
												

Bolt

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

2210

103915

151

104214

500

104291

300

104322

200

104374

200

104625

300

104817

559

103915 SP

AN3-5A

Purchased

No

110

Each

2,465.000 2.0000



Bolt



2/9/14 DSP

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

2465

100188

192

105057

2245

15205

28

M15205

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 2

September 14, 2009 10:40:59 AM

Work Order ID: 52035

Parent Item: DSI 9379-011RevB

Parent Item Name: Cargo Mirror Upgrade


Start Date: 09/14/2009

Required Date: 09/14/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S AN960JD10  Washer		Purchased	No			110	Each	2,267.000	10.0000			

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	2267
105442	95
109059	2
109840	23
110985	202
111279	11
111668	70
112314	1000
112369	864

111279
111668
(6x) 56
(4x)

S D3629-1RevA

Manufactured No

110 Each 42.0000 1.0000



Bracket

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	6
43316	6
Main Warehouse	
ST244A	36
48560	36

43316

9/19/14 (2x) 56

September 14, 2009 10:40:59 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 14, 2009 10:40:59 AM

Page 3

Work Order ID: 52035

Parent Item: DSI 9379-011RevB

Parent Item Name: Cargo Mirror Upgrade


Start Date: 09/14/2009

Required Date: 09/14/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S D3635-1RevA  Gasket		Manufactured	No			110	Each	14.0000	1.0000			

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

14

44175

14

44175 SP

S D3635-3RevA  Gasket		Manufactured	No			110	Each	34.0000	2.0000			
---	--	--------------	----	--	--	-----	------	---------	--------	--	--	--

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

34

47580

34

47580 SP

S D3646-1RevB  Arm		Manufactured	No			110	Each	5.0000	1.0000			
--	--	--------------	----	--	--	-----	------	--------	--------	--	--	--

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

5

51451

5

51451 9/9/14 SP

September 14, 2009 10:40:59 AM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 14, 2009 10:40:59 AM

Work Order ID: 52035

Parent Item: DSI 9379-011RevB

Parent Item Name: Cargo Mirror Upgrade



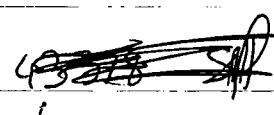
Start Date: 09/14/2009

Required Date: 09/14/2009

Comments:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S D3646-3RevB  Arm		Manufactured	No			110	Each	5.0000	1.0000			

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

5

51452

5

51452 SP

MS21042L3

Purchased

No

110

Each

3,722.000

5.0000

Nut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

3722

110844

32

111274

198

111668

992

112314

2000

112385

500

111274 SP

MS21919-WDG7

Purchased

No

120

Each

17.0000

2.0000

Clamp

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

17

109061

17

109061 9/19/09 (1x) SP

September 14, 2009 10:40:59 AM

Shop Packet Print

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN <i>B</i>	DRAWN BY <i>DC</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>UE</i>	APPROVED <i>AF</i>	DRAWING NO. DSI 9379	REV. B SHEET 1 OF 5
DATE 07.11.26		TITLE CARGO MIRROR UPGRADE KIT SCALE NTS	
A	07.07.10	NEW ISSUE	
B	07.11.26	MS21919WDG7 WAS MS21929WDG7	

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

1.0 PARTS LIST

Qty -141	Qty -143	Qty -045	Qty -011	Part Number	Description
X	1			D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
	X			D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
	1	X		D350-561-045	MIRROR KIT
			X	DSI 9379-011	UPGRADE KIT
1		1		D2011-101	MIRROR
1				D2012-105	ARM
1				D2012-107	CLEVIS
1				D2012-111	BRACKET
		2		D2012-113	CLAMP
1				D2012-115	BRACKET
2				D2022-101	SPACER
1*		1*		D3014-1	LOCKNUT
1			1	D3629-1	BRACKET
1			1	D3635-1	GASKET
2			2	D3635-3	GASKET
1			1	D3646-1	ARM
1			1	D3646-3	ARM
3			3	AN3-4A	BOLT
2			2	AN3-5A	BOLT
1				AN3-6A	BOLT
1				AN4-5A	BOLT
1				AN4-10A	BOLT
12			10	AN960JD10	WASHER
4				AN960JD416	WASHER
1*		1*		AN960JD416L	WASHER
6			5	MS21042L3	NUT (OR MS21042-3)
2				MS21042L4	NUT (OR MS21042-4)
2			2	MS21919WDG7	CLAMP

*INCLUDED AS PART OF D2011-101 MIRROR

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 07.11.30
CERT. NO.: SH91-20
ISSUE NO.: 2

Copyright © 2007 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries